PEO Ammunition Presentation To Army Configuration Control Board (ACCB)

23 Sept 2003

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PEO Ammo

MISSION

Develop and Procure Conventional and Leap-Ahead Munitions Combat Power to Warfighters

GOALS

- Get PGM's & Smart Weapons to Warfighters
- Improve and Sustain the Conventional Stockpile
- Satisfy the Customer, Achieve Excellence
- Grow World-Class People and Teams

Where PEO Ammo Programs Came From

Established: January 1, 2002

PEO Ammo
- **PM MAS**
- **PM CAS**
- **PM CCS**
- **PM Joint Services**

PEO GCS
- PM ARMS
- PM TMAS
- PM Crusader (MACS)

 # Programs 23

DSA-TACOM
- PM Mines
- PM Mortars
- PM Small Arms

 # Programs 74

AMC/DCS Ammo
- Training Ammo
- Industrial Base
- Demil
- ARDEC (Fuze Programs)

 # Programs 94

Total People Managed 725 at Picatinny

ARDEC Life-Cycle Engineering Suppo
- Competencies
- Modeling and Simulation
- Technology Maturation
- Sustainment Support

Total RDA Programs 191 programs

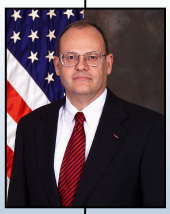
Total Dollars $1,253.6 M

PEO Ammo Organization

PEO Ammunition

BG Paul Izzo PEO
Mr. Kevin Fahey DPEO

Industrial Base



Close Combat Systems

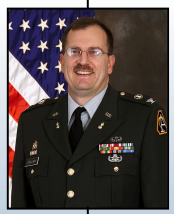
Mr. Jim Sutton PM

Combat Ammo Systems - Indirect Fire

COL Nate Sledge PM

Maneuver Ammo System - Direct Fire

Mr. Bill Sanville PM



Joint Services

COL Jeff Gwilliam PM

Networked Munitions/ Munitions / Countermine

Demolitions / Non-Lethal

Mortars

Excalibur

Large Caliber

Medium & Small Caliber

DEMIL

PM Close Combat Systems Mission

Equip Soldiers with Close Combat Systems f

Assured Mobility	Force Protection	Close Battle
Intelligent Munitions System (IMS)	APLA	APLA Hard Target
Anti-Personnel Landmine Alternative (APLA)	Countermine	Demolitions
Countermine	Non-Lethal	Hand Grenades
Demolitions	Pyro/Flares	Non-Lethal
	EOD Equipment	Pyro/Flares

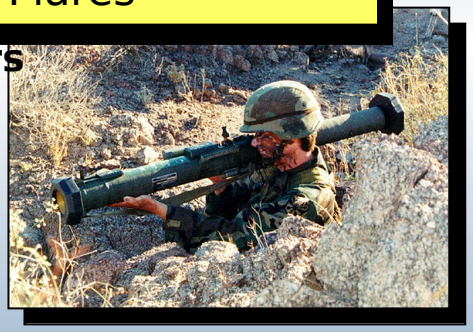
SBCT Volcano

15 Prime Contractors
- 30 Contracts

GOCOs
JMC

R&D Establishments
- TARDEC
- ARDEC
- ARL
- CERDEC

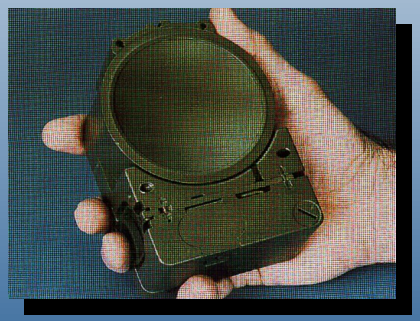
Combat Developers
- USAES
- USAMPS
- USAFAS
- USASOC
- USAIS
- USMC



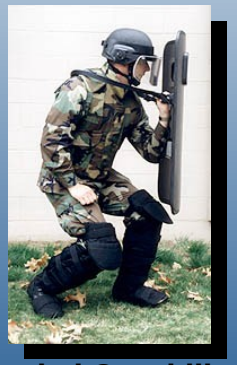
Bunker Defeat Munition

AN/PSS-14
Mine Detecting Set

M67 Hand Grenade



Selectable Lightweight
Attack Munition



Non-Lethal Capability Se

PM Combat Ammunition Systems

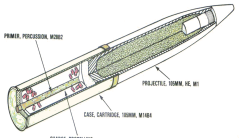
LCCM

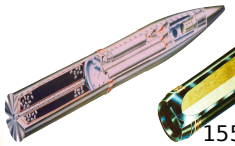
795 E1

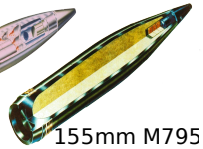
Excalibur Discriminating

M782 MOFA

Excalibur Unitary


105mm M1 HE


105mm M915 DPICM

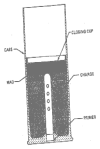

155mm M795 HE Projectile

Time

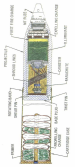
M767

MOUT

MK399 MOD1


75mm M337A2 Blank

M1155 PIAFS


105mm M314A3 Illum

155mm M107 HE

155mm M804A1 Practice

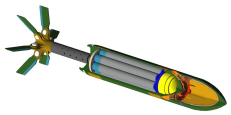
M782 MOFA

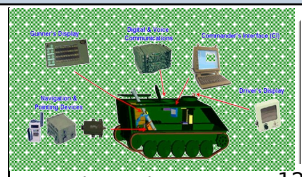
M762 ET

155mm M231/M232 Prop

Concept | **Development** | **Production**

Mortars


120mm XM984 DPICM


(MFCS) Heavy

120mm Training Insert, M303

MBC

Mortar Fire Control System - Light (MFCS-L)

120mm XM395 (PGMM)

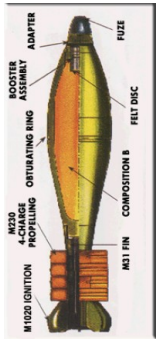
60mm M769 FRPC

81mm M853A1 Illum

120mm M983 IR

60mm M720A1 HE

81mm M821A1/M889A1 HE



120mm M934 HE

Concept | **Development** | **Production** | **Sustainment**

Mortar Fire Control System (MFCS

Operation Iraqi Freedom

1st Cav. Div.
Fort Hood, Texas

- Completed Initial Operational Testing and Evaluation (IOT&E) November 2002
- Type Classified (TC) April 2003
- MFCS Conditional Materiel Release (CMR) May 2003
- Accelerated fielding to 1st CD May 2003
  in support of Operation Iraqi Freedom

in support of Operation Iraqi Freedom

PM Maneuver Ammunition Systems
Large Caliber Ammunition

PEO AMMO PRODUCTS INTEROPERABILITY IMPACTS

- **Mortar Fire Control System (MFCS)**
  - ✓ **V2: Army VMF – fields Jan 04**
  - ✓ **V3: Joint VMF R5 – fields with SWB1**
    - **K01.1 Free Text**
    - **K02.1 Check Fire**
    - **K02.4 Call for Fire**
    - **K02.6 Observer Mission Update**
    - **K02.12 Command to Fire**
    - **K02.14 Message to Observer**
    - **K02.16 End of Mission**
    - **K02.22 Subsequent Adjust**
    - **K02.37 Observer Readiness Report**

PEO AMMO PRODUCTS INTEROPERABILITY IMPACTS

- **XM982 Precision Guided 155mm Munition (Excalibur)**
  - ✓ **The Following ICPs are Required for AFATDS and LW155 to Employ XM982**
    - **PMIE03-023R1 Modification to DFI 4005 (Munitions Type)**
    - **PMIE03-024R1 Modification to K02.18**
    - **PMIE03-025R1 Modification to K02.40**
    - **PMIE03-026R1 Modification to DFI 4013 (Fuze Type)**
    - **PMIE03-028 Modification to DFI/DUI 4070/001 (Equip Type)**
  - ✓ **Potentially Fields with SWB2**

PEO AMMO PRODUCTS INTEROPERABILITY IMPACTS

- **Future Smart Munitions**
  - **Potential VMF Message Impacts Similar to Excalibur**
  - ✓ **Precision Guided Mortar Munition (PGMM)**
  - ✓ **Medium Range Munition (MRM)**
  - ✓ **Intelligent Munitions System (IMS)**
  - ✓ **Anti-Personnel Landmine Alternative (APLA)**
- **Ammunition Inventory Changes**
  - ✓ **DFI/DUIs Must be Periodically Changed as Ammunition Enters and Leaves Inventories**
  - ✓ **PEO Ammo Currently Participates via Army FSIB – ACCB Membership Will Result in More Efficient and Complete Process**

In Summary

- **PEO Ammo's Army CCB Membership Will Result In:**
  - ✓ **More Direct Control & Interaction Assuring Interoperability as New PEO Ammo Systems are Developed and Fielded**
  - ✓ **Integration and Tie-in of PEO Ammo's Participation on FSIB, SWB, and ACCB Forums**

Proposed Army CCB PEO Ammunition Membership

VOTING MEMBERS:

Primary PEO Ammunition Voting Member (Gov't POC):
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